

Recovery Plan Action Status

Plan Name: Recovery Plan for Five Plants from Monterey County, California

Plan Status: Final

Plan Date: 17-Jun-05

Lead Agency: USFWS

Lead Office: Ventura Fish And Wildlife Office

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644-1766)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hickman's potentilla (Potentilla hickmanii), Coastal dunes milk-vetch (Astragalus tener var. titi), Gowen cypress (Cupressus goveniana ssp. goveniana), Monterey clover (Trifolium trichocalyx), Yadon's piperia (Piperia yadonii)	1	1.1	Inform landowners	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (Potentilla hickmanii), Coastal dunes milk-vetch (Astragalus tener var. titi), Gowen cypress (Cupressus goveniana ssp. goveniana), Monterey clover (Trifolium trichocalyx), Yadon's piperia (Piperia yadonii)	1	1.2	Consult and coordinate with agencies involved with recovery activities	Not Started			California Department of Parks and Recreation, Monterey County, California, Pebble Beach Company, Del Monte Forest Foundation, U.S. Fish and Wildlife Service, California Department of Fish and Game, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (Potentilla hickmanii), Coastal dunes milk-vetch (Astragalus tener var. titi), Gowen cypress (Cupressus goveniana ssp. goveniana), Monterey clover (Trifolium trichocalyx), Yadon's piperia (Piperia yadonii)	1	1.3.2	Establish protection agreements and secure habitat sites with permission of the landowners: Open space and conservation easements	Not Started			City governments, Los Angeles County, California, San Diego County, California, Monterey County, California, San Mateo County, California, Pebble Beach Company, Del Monte Forest Foundation, U.S. Fish and Wildlife Service, California Department of Fish and Game, Private landowners	Work type not yet selected	Labor type not yet selected	

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Hickman's potentilla (Potentilla hickmanii)	1	1.4.3	Protect habitat for Potentilla hickmanii	Ongoing Not Current	FY 2000 - FY 2004		Pebble Beach Company, Del Monte Forest Foundation, U.S. Fish and Wildlife Service, California Department of Fish and Game, Private landowners	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (Potentilla hickmanii), Coastal dunes milk-vetch (Astragalus tener var. titi), Gowen cypress (Cupressus goveniana ssp. goveniana), Monterey clover (Trifolium trichocalyx), Yadon's piperia (Piperia yadonii)	1	3.1.1	Develop species management guidelines through working group	Not Started			California Department of Parks and Recreation, City governments, Los Angeles County, California, San Diego County, California, Monterey County, California, San Mateo County, California, Pebble Beach Company, Del Monte Forest Foundation, U.S. Fish and Wildlife Service, California Department of Fish and Game, Private landowners	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (Potentilla hickmanii), Coastal dunes milk-vetch (Astragalus tener var. titi), Gowen cypress (Cupressus goveniana ssp. goveniana), Monterey clover (Trifolium trichocalyx), Yadon's piperia (Piperia yadonii)	1	3.1.2	Implement species management guidelines	Not Started			To be determined	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (Potentilla hickmanii)	1	3.2.3	Life history and management research on Potentilla hickmanii	Ongoing Current	FY 2000 - FY 2004		Monterey County Working Group	Work type not yet selected	Labor type not yet selected	FWS agreement with UCSC (Doak) for research related to establishing new populations will also generate life history information (see task 4.3.2)(DMS, VFOW, 2005).

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Hickman's potentilla (Potentilla hickmanii)	2	4.2.3	Survey Potentilla hickmanii habitat	Partially Complete	FY 2006		U.S. Fish and Wildlife Service, California Department of Fish and Game, To be determined	Work type not yet selected	Labor type not yet selected	see task 4.3.2, as the recov plan narrative for this task discusses actions being implemented in FWS/UCSC (Doak) project (DMS, VFWO, 2005).
Hickman's potentilla (Potentilla hickmanii)	2	4.3.2	Reintroduce/establish Potentilla hickmanii	Partially Complete	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, To be determined	Work type not yet selected	Labor type not yet selected	FWS contract with UCSC (Doak) to try establishing new occurrences on State Reserve lands(DMS, VFWO, 2005). Follow-up monitoring by FWS & UC Santa Cruz continued in 2009.
Hickman's potentilla (Potentilla hickmanii), Yadon's piperia (Piperia yadonii)	3	5.1.5	Monitor populations of Piperia yadonii	Ongoing Current	FY 2006		Pebble Beach Company, Del Monte Forest Foundation, U.S. Fish and Wildlife Service, California Department of Fish and Game, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	FWS (VFWO) is funding developmt of simple monitoring plan for Yadon's piperia by volunteers, 2002 - 2006, \$12,000+ (DMS, VFWO, 2005).
Hickman's potentilla (Potentilla hickmanii), Monterey clover (Trifolium trichocalyx)	3	5.1.6	Monitor populations of Trifolium trichocalyx	Not Started			Pebble Beach Company, Del Monte Forest Foundation, U.S. Fish and Wildlife Service, California Department of Fish and Game, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	

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Hickman's potentilla (Potentilla hickmanii), Coastal dunes milk-vetch (Astragalus tener var. titi), Gowen cypress (Cupressus goveniana ssp. goveniana), Monterey clover (Trifolium trichocalyx), Yadon's piperia (Piperia yadonii)	3	5.2.2	Evaluate research results and use in future management	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (Potentilla hickmanii), Coastal dunes milk-vetch (Astragalus tener var. titi), Gowen cypress (Cupressus goveniana ssp. goveniana), Monterey clover (Trifolium trichocalyx), Yadon's piperia (Piperia yadonii)	2	5.3	Establish an ex situ seed bank for seed representing each of the populations of the five listed plants	Partially Complete	FY 2009		Rancho Santa Ana Botanic Garden, Pebble Beach Company	Work type not yet selected	Labor type not yet selected	

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Hickman's potentilla (<i>Potentilla hickmanii</i>), Coastal dunes milk-vetch (<i>Astragalus tener</i> var. <i>titi</i>), Gowen cypress (<i>Cupressus goveniana</i> ssp. <i>goveniana</i>), Monterey clover (<i>Trifolium trichocalyx</i>), Yadon's piperia (<i>Piperia yadonii</i>)	3	7.1	Provide information and coordinate with lead agencies	Not Started			U.S. Fish and Wildlife Service, To be determined	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (<i>Potentilla hickmanii</i>), Coastal dunes milk-vetch (<i>Astragalus tener</i> var. <i>titi</i>), Gowen cypress (<i>Cupressus goveniana</i> ssp. <i>goveniana</i>), Monterey clover (<i>Trifolium trichocalyx</i>), Yadon's piperia (<i>Piperia yadonii</i>)	3	7.2	Provide species information to the public through outreach programs	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, California Department of Fish and Game, To be determined	Work type not yet selected	Labor type not yet selected	Elkhorn Slough's Coastal Training Program held 1-day workshop on this species Jan 05 for public and pvt entities (DMS, VFWO, 2005)